Model 6CiM Combination Freezer, Ice Machine and Refrigerator

Installation Operation & Maintenance Instructions

Part of **AGA** Foodservice Group

Remove Packaging

Your appliance has been packed for shipment with all parts that could be damaged by movement securely fastened. Before using, be sure all packing materials and tape have been removed.

Important

Keep your carton packaging until your appliance has been thoroughly inspected and found to be in good condition. If there is damage, the packaging will be needed as proof of damage in transit.

Note to Customer

This merchandise was carefully packed and thoroughly inspected before leaving our plant. Responsibility for its safe delivery was assumed by the carrier upon acceptance of the shipment. As directed on the side of your packing carton, claims for loss or damage sustained in transit must be made on the carrier as follows:

Exterior Damage

Make thorough damage notation on your delivery receipt and have driver acknowledge by signature and date. Send a written request asking for an inspection report from carrier. Include the name of carrier representative and the date the inspection was requested. Retain inspection report and receipt for filing of a claim.

Concealed Damage

This must be reported to the carrier within fifteen days. Obtain inspection report from the carrier. Retain the inspection report for filing the claim. DO NOT RETURN DAMAGED MERCHANDISE TO MANUFACTURER - FILE THE CLAIM WITH THE CARRIER.

Unit Installation Location

Locate your appliance in the most convenient place near a grounded outlet. If possible, place your unit out of direct sunlight and away from heat sources such as a radiator, stove, oven, or furnace duct.

Your refrigerator has a fan-cooled condenser and can be built-in. No ventilation is required but the front grille must be kept clear for proper air movement and unit operation.

To build in, the opening must be at least 24"wide x 34-3/4" high x 24" deep with ample provision for wiring. In addition, consideration should be given to the appliance's removal for routine cleaning and access to the waterline fittings.

Icemaker Plumbing

Observe and follow all local code(s) when installing appliance.

The only connection necessary to make the icemaker function is to connect the supplied copper water tube fitting to your home's cold water supply line.

Use ¼-inch copper water tubing only and the supplied connection fittings to connect to the water valve's ¾" garden hose fitting located at the rear of the unit. Additional connection parts are available at a local hardware-plumbing store. Water pressure must be at a minimum of 20 psi for proper operation.

Make certain all water connections are watertight after installation. Form the tubing so that it will not vibrate against the cabinet body or kink when your refrigerator is set in position.

Electrical and Grounding

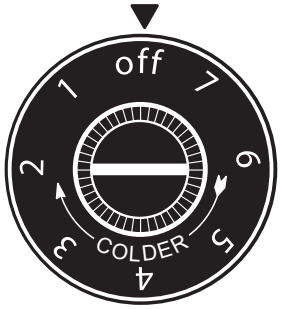
The icemaker is already connected to the refrigerator's wiring. The appliance power cord must be connected to a power source of 120 Volts AC, 60 Hz, properly grounded 15 Amp circuit.

WARNING: *THIS UNIT SHOULD NOT UNDER ANY CIRCUMSTANCES, BE UNGROUNDED.*

Observe and follow all local Electrical code(s) when installing appliance.

Temperature Control and Selection

The temperature control knob is located in the grille below the door. There is a pointer on the grille at the 12:00 position to indicate knob position. The "OFF" position will turn the refrigeration system off. Positions 1 is the warmest setting and setting 7 is the coldest. Wait at least 2 hours between temperature adjustments to find a temperature that suits you.



The refrigerator section temperature of the unit can be adjusted using the adjusting slide located in the left side and rear of the refrigeration section. Turn in the cold direction indicted to make the refrigeration section colder and the opposite to warm the refrigeration section.

Defrost

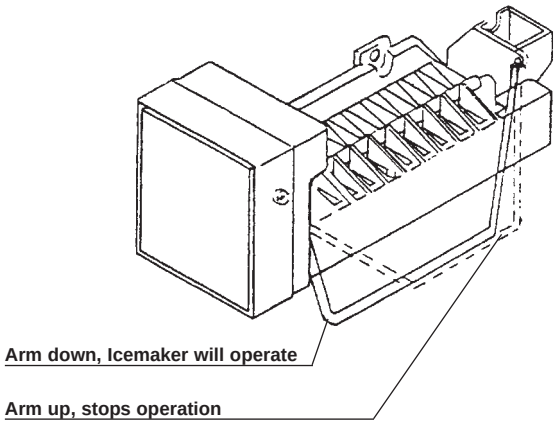
This units uses an electronic control system to control both defrost and refrigeration functions. This feature eliminates the inconvenience of manual defrosting of the evaporator in normal conditions. If commodities or ice accidentally clog the drip tray, the obstruction must be removed for proper defrost performance. It is normal for some water droplets to be left on the evaporator or drip tray. These will refreeze and be removed in the next defrost cycle.

Defrosting is factory set to run after the compressor has run approximately 12 hours. For climates with high humidity levels and/or repeated opening of the door, an optional 6-hour compressor run time is already programmed into the control. A switch will have to be set at the control for this change to take place (consult your distributor or authorized service center).

A drip tray heater is located in the unit for proper removal of condensation. The heater will remain on as long as the unit is plugged in. The control knob will not turn the heater off. Unplug or disconnect power to the unit if you are planning to leave the unit off or unattended for extended periods of time.

Icemaker Operation

- Make certain water pressure is at least 20 psi and no more than 120 psi and is turned on.
- The unit must be installed level for proper icemaker operation.
- The shut off arm wire must be down in its lowest position for the icemaker to operate.
- Make certain there are *no* obstructions in the fan inlet and outlet. The fan is located beside the icemaker at the top of the freezer section.
- When the freezer section and icemaker unit has sufficiently cooled, the icemaker will harvest ice cubes automatically.
- When the ice bucket is full, the icemaker will automatically shut off.
- You may manually stop the icemaker by raising the shut-off arm to the locking position at the up most position.



Important

When operation of the appliance is to be discontinued for any length of time, the ice cube cavity in the icemaker should be emptied and dried. The water supply and power supply should also be shut off and the ice bucket should be emptied and cleaned.

If the ice is not used regularly, it will clump together with time. For best ice results, discard ice in the bin as required and allow the icemaker to make a new fresh batch of ice.

Unit care

- Avoid leaning on the cabinet and freezer doors. You may bend the door hinge or tip the unit.
- Exercise caution when sweeping, vacuuming, or mopping near the front of the unit. Damage to the grille and/or light switch can occur.
- For cleaning of the appliance, mix a solution consisting of 2 tablespoons of baking soda with 1 quart of warm water or use a mild soap. Do not use strong cleaners or scouring powder or pads.
- Periodically empty ice bucket to replenish with fresh ice.

Important: *When operation of the appliance is to be discontinued for any length of time, the ice cube cavity in the icemaker should be emptied and dried. The water supply and power supply should be shut off and the ice bucket should be emptied and cleaned.*

Things to Remember

- Allow 24 hours for your refrigerator and freezer to reach a new temperature setting.
- The unit will start and stop often. This is normal operation of the unit.
- Keep your appliance level for proper icemaker operation.
- Unplug the appliance before beginning any work to the unit.
- The refrigeration section can be colder or warmer using the adjusting slide located at the inside, left rear section of the unit.

Interior Light

Your appliance also features an interior light. It uses a 15-watt appliance light bulb. To replace the light bulb:

1. Unplug the power cord from the wall receptacle. Unless the unit is unplugged, the appliance light system remains energized even with the control knob in the "OFF" position.
2. Open the cabinet door.
3. Remove the 3 screws on the front face of the light lens and remove the lens.
4. Unscrew the light bulb from the socket and replace with an equivalent 15-watt, threaded intermediate base appliance bulb.
5. Reassemble in the reverse order.

Electrical Fire Hazard

Under no circumstances replace with a bulb higher than 15 watts.

To clean the lens, disconnect the power cord and wipe the lens with mildly damp cloth. Dry the lens and light assembly completely before reconnecting the power cord.

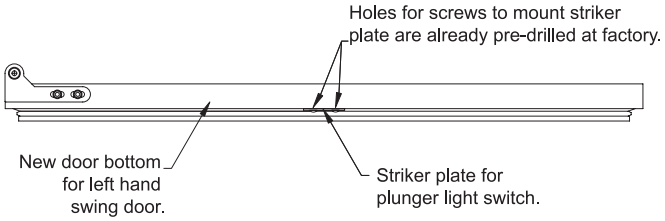
Caution: *Never pour liquids directly onto the light assembly.*

Door Features

There are many different door features available for your new unit. Full panel overlay doors and full wrap painted and stainless doors are available. These doors are fully reversible.

To Reverse the Door Swing of the Full Panel Overlay and Full Wrap Doors

The door you relieved is for a right hand swing unit. If the unit is to be changed to a left hand swing door, pre-drilled striker plate holes are in place on the backside of the door on both ends. No additional drilling is necessary to mount the striker plate when you reverse the door swing. Just unscrew the striker plate from the location it is mounted to for right hand swing and then mount the striker plate at the end opposite of its previous location with the existing screws.


Holes for screws to mount striker plate are already pre-drilled at factory.
New door bottom for left hand swing door.
Striker plate for plunger light switch.

If your door has an inner door liner with formed in shelves, it will need to be turned around for use in the left hand swing. Using a small, flat blade screwdriver, pop the plastic screw covers up to access the phillips screws that secure the formed door liner to the door. Using a phillips screwdriver, remove the phillips screws that secure the formed door liner to the door. Rotate the formed door liner 180 degrees, line up the mounting holes in the door liner with the mounting holes on the door. Use the existing fasteners and plastic screw caps to secure the formed door liner to the door. Your door swing conversion is complete.

Door Handle

The full wrap painted and stainless doors come with a standard, vertically oriented tubular-style door handle. This door handle has the same finish as the door it is mounted on.

The full panel overlay doors are designed to receive a custom supplied panel. The customer will need to supply the door handle that will be mounted to the customer supplied panel.

Before Calling for Service

Check and test the electrical outlet's fuse or breaker.

Make certain the control knob in the grille is not in the "OFF" position.

The unit may be in the “off” portion of the refrigeration cycle. This is typical. Wait to see if the unit cycles back on.

Look back in the grille for a green LED light. If the control knob is on, the LED will not blink. If the LED is blinking, the unit is in the "OFF" position or there is a faulty input (contact dealer or servicer for faulty input).

For further questions or service, refer to the dealer or manufacture. In any correspondence, refer to the model serial number (located on the lower front cabinet flange above the grille), a description of the problem or question, and proof of purchase.

Things to remember

- Allow 24 hours for your refrigerator and freezer to reach a new temperature setting.
- The unit will start and stop often. This is normal operation of the unit.
- Keep your appliance level for proper icemaker operation.
- Unplug the appliance before beginning any work to the unit.
- The refrigeration section can be colder or warmer using the adjusting slide located at the rear of the unit.

Help Prevent Tragedies

Each year children die because they climb inside a discarded refrigeration product, get trapped inside and suffocate. Take precautions to prevent such tragedies by removing the door, taping or chaining it shut before discarding.

How to Obtain Service

Your unit requires little service because of the best and most up-to-date materials, equipment and quality control methods are employed throughout the manufacturing process.

If trouble occurs, first check the troubleshooting section to see if the problem can be corrected. If service becomes necessary:

Contact the dealer where you purchased your appliance or the manufacturer for the name of your nearest authorized service representative. The service representative will have authority to make repairs deemed necessary.

If you are in an area where there are no service representatives, write or call the manufacturer directly. We will make recommendations as to proper procedure for correction. Service work and replacement parts, if required, will be provided as covered by your limited warranty.

In all correspondence regarding service, be sure to give the model number, serial number, and proof of purchase.

It is important that you send in your warranty card immediately after taking delivery of your appliance.

Normal Responsibilities of the Owner Include

- All freight charges.
- Damage sustained in transit (See page 1).
- Mileage charge(s) for service calls.
- Proper installation, proper water hook-up, and proper electrical supply.
- Alterations to original equipment.
- Removal or installation of additional equipment.

If You Do Need Service

In the event that you do need service, be sure to report the model number, serial number and proof of purchase to your service representative. Model number and serial number are found on the serial plate which is located on the lower front cabinet flange. For your convenience you may want to record the following information for your records.

Date of purchase

Dealer's Name

Dealer's Address

Dealer's City

Dealer's State *Zip*

Appliance Serial Number

Model Number

Date Warranty Card Sent *(Must be within 10 Days of Purchase)*

Five-Year Limited Warranty

This limited warranty is given by the manufacturer (here-in after referred to as the Company) to the original purchaser of the equipment supplied by the Company as long as the equipment remains the possession of the original purchaser.

First Year of Limited Warranty

The mechanical system of you refrigerator is warranted against defects in workmanship or material for a period of one year from date of purchase under the following provisions:

Warranty card must be filled in and mailed back to the Company within 10 days from the purchase date.

Defects must be proven to the satisfaction of the Company to have been caused by defects in workmanship or material. It may be requested that defective parts be returned to the Company for inspection at the purchaser's expense.

The owner is responsible for all items as detailed as the normal responsibilities of the owner.

In-warranty repair should be performed by factory authorized service centers. If there is no service center in your area, contact your dealer of the manufacturer. In-warranty repair charges not authorized by the Company will be payable at the Company's discretion.

Additional 2nd Through 5th Year Limited Warranty

During the four years following the First Year Limited Warranty, the company will supply replacement parts for the sealed refrigeration system that are proven to the Company's satisfaction to be defective due workmanship or material. Other parts, labor costs, and freight charges will be the responsibility of the owner.

IN NO EVENT SHALL THE COMPANY BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, CONTENT LOSS.

Some states do not allow limitations on length of time implied warranty may last, so the above limitations may not apply to you.

This warranty gives you specific legal rights. You may also have other rights which very from state to state.

Trouble Shooting One

PROBLEM	POSSIBLE CAUSE	CORRECTION
Odor in the cabinet	The unit needs to be cleaned.	Clean the interior using a solution of baking soda and warm water or water and mild soap.
Unit operates but does not produce any ice.	The unit has just been started and it has been less than 24 hours.	Typical ice production is 2 lbs per day. Allow for the freezer section to reach temperature and the icemaker to cycle and accumulate ice.
	Water supply is not turned on.	Turn on water supply to the unit.
	Inadequate water pressure to unit	Water pressure to the unit must be at a minimum of 20 psi.
	The icemaker shut-off arm is in the uppermost position.	When the icemaker shut-off arm is in the uppermost position, the icemaker is off. Flip the shut-off arm down to turn on the icemaker.
	Freezer section has not reached temperature.	Allow the freezer section to reach temperature.
	Thermostat control knob set too warm.	Turn the temperature control knob to a higher number to allow the unit to run colder. Allow 24 hours before readjusting the temperature control.
	Blower inlet and/or outlet is restricted.	Keep blower area clear from commodities for proper operation.
	Condenser fan air flow is restricted.	Make certain the grille in the front of the unit is free and open for proper air circulation. Check and clean the condenser coil by removing the grille in the front of the unit. Clean the condenser with a vacuum and brush attachment.
	Room and/or water temperature is too warm.	Move the unit to an area where ambient temperature is below 90 deg. F. The unit should not be placed next to a heat source such as an oven. Check for cold water connection.
Small ice cubes	Water input may require adjustment	Due to differing water pressures, the icemaker water input may require adjustment.
Noisy operation	Cabinet not level Weak floor structure	Adjust the leveling legs on the unit. The unit must be located on a sound and sturdy floor for proper operation
	Water line tubing vibration	Adjust the tubing as necessary to prevent unwanted vibrations.
Ice cubes are sticking together.	Ice consumption is low.	Use the ice in the bin frequently. Ice will stick together if left in insulated bin over long periods of time.
	Room temperature is too warm.	Move the unit to an area where temperature is below 90 deg. F.

Trouble Shooting Two

PROBLEM	POSSIBLE CAUSE	CORRECTION
Moisture collects on outside surface of cabinet.	Hot and humid conditions.	Extremely hot and humid conditions can cause condensation on the outside of unit. As humidity and/or temperature decreases, condensation will disappear.
Moisture collects on inside of the unit.	Too many door openings.	Limit the amount of door openings.
	Prolonged door openings.	Limit the amount of time with the door open.
	Hot and humid conditions.	Extreme hot and humid conditions. Move unit to a controlled environment. May consider having the defrost section changed from 12 to 6 hours.
	Defrost thermistor out of specification.	Consult dealer or servicer for diagnosis.
The unit is too warm or too cold.	Adjustment of the temperature control knob.	Adjust the temperature control to warmer or colder setting and allow 24 hours before readjusting if necessary.
	Temperature control slide in the refrigerator section too far open.	Adjust temperature control slide as necessary in the refrigerator section of the unit.
The unit is warm inside with the temperature control know in the “OFF” position.	Drip tray heater is on.	The drip tray heater will remain energized with the control knob in the off position. Unplug the unit if storing or leaving the unit off for extended periods of time.
Items on door shelf sometimes freeze.	The upper two shelves of the door can freeze under warm conditions.	Turn the temperature control knob to a lower number or move the commodities to the refrigerator section.

Diagnostic LED

In the back in the grille there is a diagnostic/status LED. This led is used to help diagnosis any problems with the unit and to tell its status.

LED status	Code/Problem
Not on or blinking	Unit does not have power
steadily blinking once per second	Unit temperature control is in the "OFF" position
Continuously on	Unit is "ON" and operating correctly
2 blinks and pause; repeated pattern	Defrost thermistor out of range
3 blinks and pause; repeated pattern	Evaporator normal cycling thermistor out of range
4 blinks and pause; repeated pattern	Control potentiometer out of range
2 blinks, pause, 3 blinks, pause; repeated pattern	Both defrost and evaporator thermistor are out of range

Notes

Notes

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